MOTOROLA

DIGITAL WIRELESS
TELEPHONE

User's Guide >

Motorola A388
Quick Reference Card

Make and End a Call

Press ⏬ to open dial pad, enter phone number, press **Send**.
To hang up, press **End** or close the flip. If using the headset, press and hold headset button (phone beeps).

Answer a Call

Press **Answer** on the screen, or press the Confirm button, or open the flip. If using the headset, press headset button (phone beeps).

Extension/Voicemail Dialing

To display the dial pad while on a call, press #.

Mute the Microphone During a Call

Press ⏫ **Mute**. To turn the sound back on, press **Unmute**.

Change the Ringer Style for Incoming Phone Calls

1. Press 🔧 in bottom left corner of main menu screen.
2. Select desired ring status and ring style.
3. Increase/decrease ringer volume using **+** and **-**.
4. Press **OK**.

Send a Text Message

1. Press 📞 ✉ SMS **Compose**.
2. Make sure SMS mail icon ✉ is selected (not email icon ✉). Currently selected icon is enclosed in [ ].
3. Press **To**: to select recipients from addressbook, or press space to the right of **To**: to enter phone number(s) using number pad.
4. After selecting from addressbook or entering number(s), press **OK**.
5. Press **Message**: to select predefined message, or press space to the right of **Message**: to enter new message using on-screen keyboard or handwriting recognition. To switch between keyboard and handwriting, press ⏫ and select desired mode.
6. If entering new message, press 🐶 to insert picture, ✿ to insert animation, or ♪ to insert melody into message.
7. After entering or selecting message, press **OK**.
8. From New Message screen, press **Send**.

Read a New Message

Press **Read** when notified of new message, or press ✉.

Store a Number on the SIM Card

1. Press Addresses **New**.
2. Select **SIM Card** from **Catg**: pulldown list and press **OK**. Speed dial number is automatically assigned in **Location**: field.
3. Press space to the right of **Name**: to enter name using on-screen keyboard or handwriting recognition. To switch between keyboard and handwriting, press ^ and select desired mode.
4. After entering name, press **OK**.
5. Press ▣ **<Number>** and enter phone number.
6. After entering phone number, press **OK**.
7. From New Contact screen, press **OK**.

Call a Number Stored on the SIM Card

1. Press ☎ to open dial pad.
2. Press location number followed by # sign.
3. Press **Send**.

Store a Number in Phone Addressbook

1. Press Addresses **New**.
2. Select category from **Catg**: pulldown list and press **OK**.
3. Press space to the right of **Name**: to enter name using on-screen keyboard or handwriting recognition. To switch between keyboard and handwriting, press ^ and select desired mode.
4. After entering name, press **OK**.
5. For each number, press <number type>, enter phone number, and press **OK**.
6. Scroll to see additional information fields.
7. Enter other details for contact as desired, press **OK** after each entry.
8. When complete, press **OK** to store on phone.

Call a Number Stored in Phone Addressbook

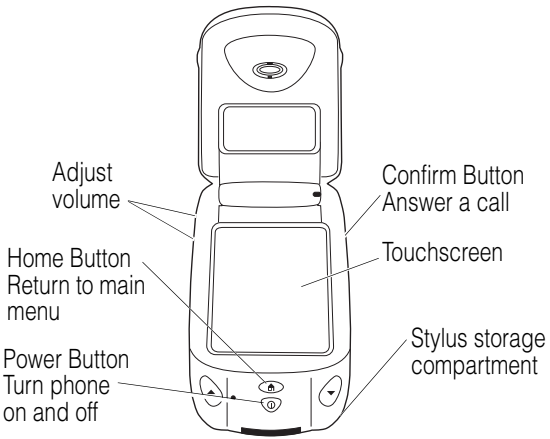
1. Press Addresses to open addressbook.
2. To locate phone number, press alphabetic tabs (e.g., to list names beginning with M, press K-O tab 3 times), or press ^ **Find Contact** to search addressbook for a name, number, or text string.
3. Once the phone number you want to call is listed on the screen, press the number to dial it.

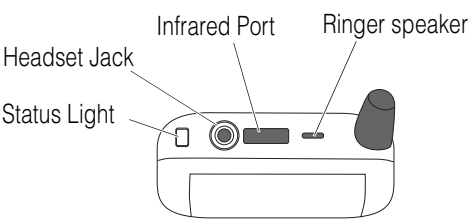
Welcome

Welcome to the world of Motorola digital wireless communication. We are pleased that you have chosen the Motorola A388 wireless phone.

Your Motorola A388 phone delivers all the wireless functionality you need in one smart package.

- Easy to use touchscreen.
- Virtual number pad for quick and easy dialing.
- Store and call frequently used phone numbers in the addressbook.
- Screen calls even when your phone is closed through the external caller ID display.
- Send text messages or use your wireless Internet connection to send email.
- Add pizazz to your messages with graphics, animated icons, and sounds.
- Keep track of important business meetings, social events, and other occasions using the datebook. reminder alarms, and to-do lists.
- Download applications, from business tools to games.
- Sync up the data on your phone to your PC, PIM, or PDA.
- Experience the “always on” connection for WAP Internet sites, or use your phone as a wireless modem for your PC.


Adjust volume
Confirm Button
Answer a call
Touchscreen
Home Button
Return to main menu
Stylus storage compartment
Power Button
Turn phone on and off


Infrared Port
Ringer speaker
Headset Jack
Status Light

Make a Call	**1** Press (located in the middle of the status bar at the top of the touchscreen) to open the dial pad. **2** Enter the phone number. If you make a mistake while entering the number, press to backspace and erase one or more numbers. **3** Press **Send** on the touchscreen.
End a Call	Press **End** in the in-call screen, or simply close the flip.
Answer a Call	Press **Answer** in the incoming call message on the touchscreen, or press the Confirm button. If the Flip Answer option is on, you can also answer a call by opening the flip. See page 36.

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Safety Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Operational Characteristics

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy. The phone is capable of transmitting in the frequency ranges of 890 MHz to 915 MHz, 1710 MHz to 1785 MHz, and 1850 MHz to 1910 MHz in digital mode. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits. The output power level typically may vary over a range from 0.0 to 2.0 watts for the 900 MHz band, 0.0 watts to 1.0 watts for the 1800 MHz band, and 0.0 watts to 0.89 watts for the 1900 MHz band.

Exposure To Radio Frequency Energy

Your Motorola phone is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992

- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 1999 (applicable to wireless phones only)

To assure optimal phone performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

Portable Phone Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Do NOT hold the antenna when the phone **is in use.** Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone. **Speak directly into the microphone.**

Body-worn Operation

To maintain compliance with FCC/Health Canada RF exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola supplied or approved clip, holder, holster, case, or body harness for this product. Use of non-Motorola-approved accessories may exceed FCC/Health Canada RF exposure guidelines. If you do not use one of the Motorola-supplied or approved body-worn accessories, and are not using the phone held in the normal use position, **ensure the phone and its antenna are at least one inch (2.5 centimeters) from your body when transmitting**.

Data Operation

When using any data feature of the phone, with or without an accessory cable, **position the** phone **and its antenna at least one inch (2.5 centimeters) from your body.**

Approved Accessories

For a list of approved Motorola accessories visit our website at www.mot.com.

Electromagnetic Interference/Compatibility

NOTE: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

- **FACILITIES**

  To avoid electromagnetic interference and/or compatibility conflicts, turn off your phone in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

- **AIRCRAFT**

  When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in

accordance with applicable regulations per airline crew instructions.

- **MEDICAL DEVICES**

  Pacemakers

  The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, the United States Food and Drug Administration.

  Persons with pacemakers should:

  - ALWAYS keep the phone more than six inches (15 centimeters) from their pacemaker when the phone is turned ON.
  - not carry the phone in the breast pocket.
  - use the ear opposite the pacemaker to minimize the potential for interference.
  - turn the phone OFF immediately if you have any reason to suspect that interference is taking place.

  Hearing Aids

  Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

  Other Medical Devices

  If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in

the area where you drive. Always obey them.
When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

OPERATIONAL WARNINGS

- **FOR VEHICLES WITH AN AIR BAG**
  Do not place a portable phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.
- **POTENTIALLY EXPLOSIVE ATMOSPHERES**
  Turn off you phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone type especially qualified for use in such areas as "Intrinsically Safe." Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.
  NOTE: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

- **BLASTING CAPS AND AREAS**
  To avoid possible interference with blasting operations, turn off your phone when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

OPERATIONAL CAUTIONS

- **ANTENNAS**
  Do not use any portable phone that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.
- **BATTERIES**
  All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

European Union Directives Conformance Statement

European Union Directives

Conformance Statement

CE Hereby, Motorola declares that this product is in compliance with

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

IMEI: 350034/40/394721/9

CE0168 ← Product Approval Number

Type: MC2-41H14

The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte. To find your DoC, enter the product Approval Number from your product's label in the Search bar on the web site.

Getting Started

What's in the Box?

Your phone typically comes with a battery and a charger. Other accessories can customize your phone for maximum performance and portability.

To purchase Motorola Original™ accessories, contact the Motorola Customer Call Center at 1-800-221-6456 in the United States or 1-800-461-4575 in Canada.

About this Guide

This user guide introduces you to your Motorola phone.

Optional Features

This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

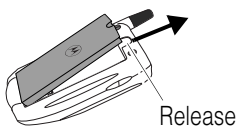
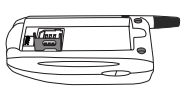
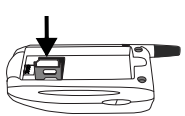
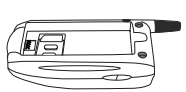
Optional Accessories

This label identifies a feature that requires an optional Motorola Original™ accessory.

Installing the SIM Card

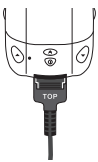
Your SIM (Subscriber Identity Module) card contains your phone number, service details, and memory for storing phone numbers and messages.

Caution: Do not bend or scratch the SIM card, and avoid exposing it to static electricity, water, or dirt. Turn your phone off before removing or installing the SIM card. Failure to do so may damage the SIM card memory.

Do This	
1 Push the release latch up towards the top of the phone and lift the battery out.	
2 Slide the SIM tray towards you to unlock it and lift the unhinged end up.	
3 Insert the SIM card into the tray with the notch in the upper left corner and the gold contacts facing down.	
4 Lower the SIM tray and slide forward to lock into place.	
5 Replace the battery by lining up the contacts and pressing down on the battery until it clicks into place.	

Charging the Battery

New batteries are shipped partially charged, so you must charge the battery before you can use your phone. Some batteries perform best after several full charge/ discharge cycles.

Do This	
1 Plug the charger into the charger port.	
2 Plug the other end of the charger into an appropriate electrical outlet.	
3 When your phone indicates the battery is fully charged (**Charging Complete**), press the release tab and remove the charger.	

During charging, the battery level indicator in the upper right corner of the touchscreen flashes and shows how much of the charging process is complete. The battery indicator stops flashing when the battery is fully charged.

Battery Use

Battery performance depends on many factors, including your wireless carrier's network configuration, signal strength, the temperature at which you operate your

phone, the features and/or settings you select and use, and your voice, data, and other application usage patterns.

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize your battery's performance:

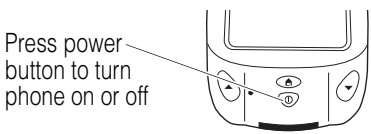
- Always use Motorola Original™ batteries and chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place. Store batteries in their protective cases when not in use.
- New batteries or batteries that have not been used for long periods of time may require a longer charge time. Charge such batteries for at least 14 hours, but not more than 24 hours.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge the battery regularly and notice a decrease in talk time or an increase in charging time, it is probably time to purchase a new battery.

Extending Battery Life

- Turn on battery saving mode (see page 37).
- Set the network search speed to slow or medium (see page 84).

Activities that require intensive keystroke use (such as playing games and composing messages) and using the browser may also reduce your phone's talk and standby times.

Turning Your Phone On



Your service provider may have programmed your phone with a subsidy lock that prevents you from using a SIM card other than the one that came with your phone. If you try to use a different SIM card, you will be asked to enter an unlock code to disable the subsidy lock. It is at the discretion of your service provider to provide you with the subsidy unlock code.

Entering Your PIN

If your phone is programmed with a PIN, you are prompted to enter it after you turn your phone on. Press ⌫ to erase previous numbers if you make a mistake while entering your PIN.

If you enter an incorrect PIN 3 times in a row, your SIM card is blocked. See page 96 for the unblocking procedure.

If the SIM card is locked, damaged, missing, or not registered, you are prompted to choose one of the following options:

- **Antenna Off** to use the phone in PDA mode.
- **Antenna On** to use the phone's PDA functions and make emergency calls.
- **Power Off** to turn the phone off.

Entering Your Unlock Code

If your phone is programmed with a lock code, you are prompted to enter it. Press ⌫ to erase previous numbers if you make a mistake while entering your unlock code.

If you enter an incorrect unlock code 3 times in a row, your phone locks up. Contact your service provider for the unlock code.

Registering with a Network

In most cases, your phone is set by your service provider to automatically search for your service network. If your phone is not programmed to search for a network, you will be presented with a list of networks from which you can select.

After the phone successfully registers with a network, the main menu will appear and the process of turning your phone on is complete.

Calibrating the Screen

After you turn your phone on for the first time, calibrate the screen.

Press	
1	Setup
2	Display Setup
3	Calibrate Screen

Press the center of the target until it disappears. If you want to calibrate the screen each time you turn the phone on, check **Redo on Power Up**.

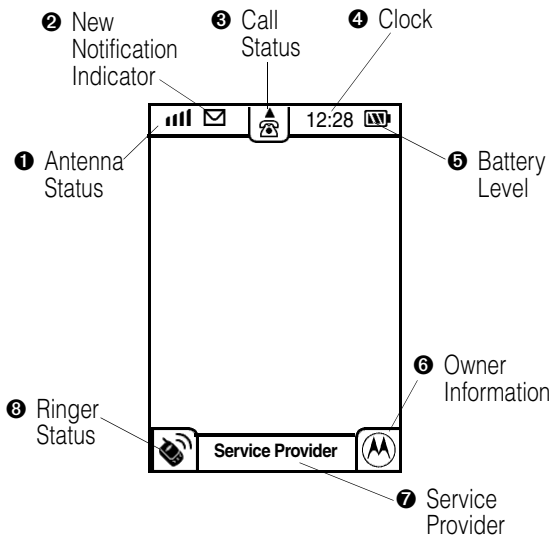
Changing Between PDA and Phone Mode

Your phone can operate in phone mode or PDA mode. In phone mode, you can use all of your phone's features. In PDA mode, you cannot make phone calls or send messages.

The antenna indicator in the status bar shows for phone mode or for PDA mode. To change the mode, press the icon and select **Antenna On** to switch to phone mode, or **Antenna Off** to switch to PDA mode. Press **Cancel** to keep the current mode.

Learning to Use Your Phone

Touchscreen Controls and Status Indicators



❶ **Antenna Status** Shows the strength of your phone's connection with the network. GPRS is displayed above if you have the GPRS service and it is active.

❷ **New Notification Indicator** Flashes when you miss a call or have a new message waiting

❸ **Call Status** Phone line status:

On hook Off hook Line 2 Connected On hold

❹ **Clock** Shows the current time

❺ **Battery Level** Shows the amount of charge left in the battery: High Empty

❻ **Owner Information** Displays owner information that you have entered into the phone's memory

❼ **Service Provider** Your wireless service provider's name. **Antenna Off** is displayed when the phone is in PDA mode, or **Emergency Call** when the phone can only make emergency calls.

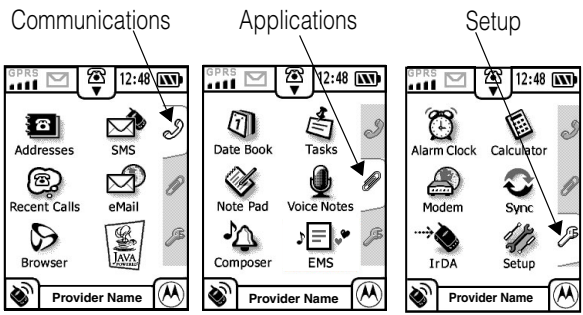
❽ **Ringer Status** Type of alert for incoming calls and messages:

Ring Vibrate Ring & vibrate Silent Call divert on

Using the Main Menus

The features of your phone are organized into three main menus. Press one of the tabs on the right side of the touchscreen to view each main menu, then press a feature icon to access that feature.

Tip: You can also use the page up (▲) and page down (▼) buttons to cycle through the main menu tabs.



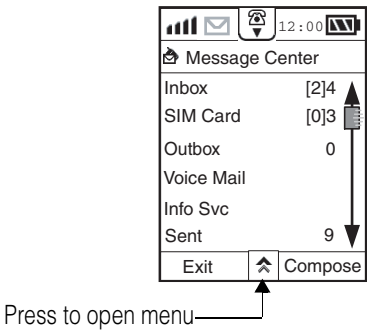
Icon	Function
Addresses	Record phone numbers, addresses, and other contact information
SMS	Send, retrieve, check, and manage text messages and voicemail
Recent Calls	List the last 20 numbers dialed, last 20 calls missed, and last 20 calls answered

Icon	Function
eMail	Send and receive email
Browser	Connect to the Internet
	Download and run J2ME applications
Date Book	Schedule and organize daily activities such as appointments and meetings
Tasks	Create and prioritize to-do lists
Note Pad	Compose short notes
Voice Notes	Record phone calls or personal messages
Composer	Create custom ring tones and alerts
EMS Editor	Create pictures, animations, and sounds
Alarm Clock	Set reminder alarms
Calculator	Calculator for performing simple calculations

Icon	Function
Modem	Transmit and receive information using the phone as a wireless modem
Sync	Synchronize data between your phone and your PC using Starfish Truesync® software
IrDA	Send and receive information by infrared transmission
Setup	Set up and customize your phone

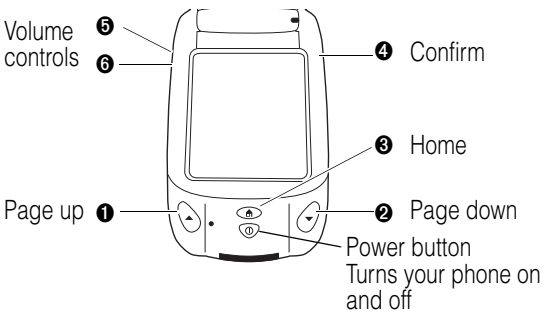
Using the Context Sensitive Menus

If the menu indicator ⌃⌃ appears at the bottom of the touchscreen, press it to list functions you can perform from that screen. To close the menu without selecting anything, press anywhere on the touchscreen outside of the menu list.



Using Your Phone's Buttons

You can easily and quickly access your phone's features by pressing the touchscreen with the stylus. You can also use the buttons on your phone to perform some functions. Many buttons perform more than one function, depending on what is currently displayed on the screen.



❶ Page Up

- When scroll bars are present, use to scroll back
- When dial pad is displayed, list last 20 answered calls
- When calling, open the dial pad
- From the main menu, scroll through the 3 main menu icons on the right side of the screen

❷ Page Down

- When scroll bars are present, use to scroll forward
- When dial pad displayed, list last 20 missed calls
- When calling, open the dial pad
- From the main menu, scroll through the 3 main menu icons on the right side of the screen

❸ Home

- Return to the main menu

❹ Confirm

- Select a highlighted icon
- Answer an incoming call
- From the main menu, open the dial pad
- Start/stop recording a phone call
- Stop recording a voice note

❺ Volume Up

- Turn the volume up during a call
- When dial pad displayed, enter the addressbook
- From the main menu, scroll through icons
- When flip is closed, press and hold button for 2 seconds to show time, missed calls, new messages

❻ Volume Down

- Turn the volume down during a call
- When dial pad displayed, list last 20 numbers called
- From the main menu, scroll through icons
- When flip is closed, press and hold button for 2 seconds to show time, missed calls, new messages
- Mute incoming call ring/vibrate

Entering Text

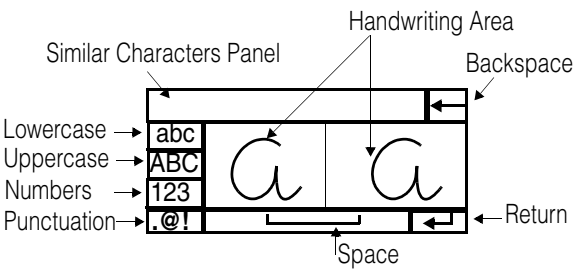
Your phone provides two ways to enter text and other information:

- Handwriting letters and numbers on the touchscreen
- Selecting characters from a keyboard display

When you first enter a screen where text input is required (for example, when composing a new message), press ⌃ and select **Handwriting** or **Keyboard**. Depending on your selection, either the handwriting recognition or keyboard tool will be displayed.

Handwriting Recognition

Your phone uses the Motorola Quickprint Handwriting Recognition technology to recognize handwritten characters, numbers, and punctuation.



Press **ABC** to write in uppercase text, **abc** for lowercase text, or **123** for numbers. Using the stylus, write your characters or numbers in the handwriting area. You can switch between uppercase, lowercase, and numbers at any time.

When you have finished writing, or if you pause, your phone recognizes the most similar character and places it at the current cursor position. If the character is not the one you want, you can change it by selecting one of the characters in the Similar Characters Panel, or by using ⇦ to backspace and erase.

Keyboard

When using the keyboard tool:

- To enter a single uppercase character, press ⇧Shift.
- To enter multiple uppercase characters, press ⇧. Press ⇧ again to turn uppercase off.
- To enter punctuation, select from the punctuation bar at the bottom of the keyboard, or press %#& to display additional punctuation. Press ▼ to return to the keyboard.

Setting a Preferred Text Input Method

You can set a preferred text input method so each time a screen that requires you to enter text opens, the handwriting or keyboard tool will be displayed. You can still use ⇧ to change input methods at any time.

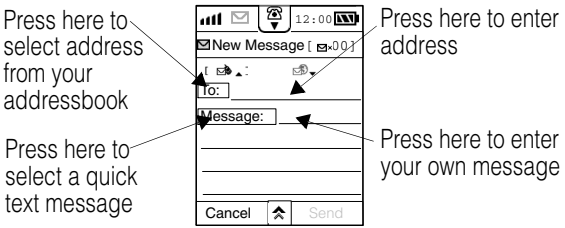
Press		To
1	Setup	open the Setup menu
2	Initial Setup	display Initial Setup options
3	Text Input	change text input preferences

Press		To
4	slow, medium, or fast	select the handwriting recognition speed. The slower the speed, the better the accuracy of the recognition.
5	Watermark:on or Watermark:off	specify whether a character category notice will be displayed in the handwriting area
6	Handwriting or Keyboard	select the preferred text input method
7	right or left	specify your writing hand
8	checkbox next to a language	select your language
9	OK	save text input settings

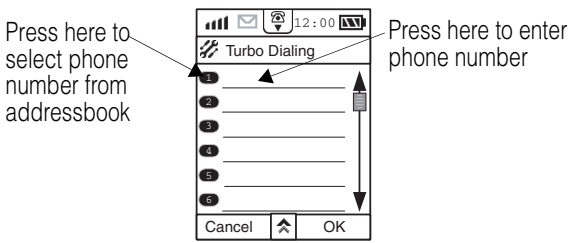
Text Input Fields

You can enter information into your phone using the handwriting and keyboard tools or by selecting from a list. To select text from a list, press directly on the text input field name or label. To enter information into a field using the handwriting or keyboard tools, press the blank input area next to the field name or label.

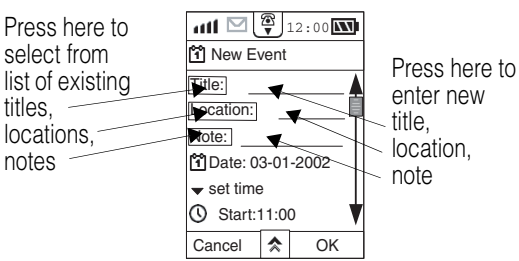
Composing a Message



Creating Speed Dial List



Creating a Datebook Event



Setting Up Your Phone

Storing Your Name and Number

Press		To
1	Setup	
2	Initial Setup	
3	Owner Info	
4	Name:	enter your name
5	Cellular:	enter your phone number
6	OK	save your owner information

After entering your name and number, press Ⓜ in the bottom right corner of the screen to view your owner information. You can also enter your name and number by creating a new addressbook entry under the Owner category (see page 70).

Setting the Date and Time

Press		To
1	Setup	
2	Initial Setup	
3	Date and Time	
4	Time	set the time
5	Date	set the date

Use the pulldown menus in the Date and Time screen to turn daylight savings time on or off and to set the time and date format and your current location.

Setting a Ring Style

You can choose the sound your phone makes when you receive a call, message, or alert and when you press the touchscreen.

Press		To
1	Setup	
2	Sounds & Alerts	
3	Ring Tone	set the sound for incoming calls
4	Speaker Volume	increase or decrease the speaker volume
5	Touch Screen	choose the sound your phone makes when you press the touchscreen
6	Notifications	choose the sound your phone makes when you receive a text or information service message, voice mail, or datebook alarm

Setting Answer Options

Flip Answer

To set your phone up so you can answer a call by opening the flip:

Press	
1	Setup
2	Phone Setup
3	Flip Answer:on

Autoanswer

If you are using a headset, you can set your phone to automatically answer a call after 2 rings.

Press	
1	Setup
2	Phone Setup
3	Auto Answer:on

Setting Automatic Redial

Your phone can automatically redial a call that did not connect. When the call goes through, your phone rings or vibrates one time, displays **Redial Successful**, and connects the call.

Press	
1	Setup

Press
2 Phone Setup
3 Auto Redial:on

Changing Your Startup Greeting

The startup greeting is the message you see when you turn your phone on.

Press
1 Setup
2 Initial Setup
3 Startup Greeting

Erase the current message and enter a new message. See page 30 for information on how to enter text on your phone.

Conserving Battery Power

The battery indicator in the top right corner of the status bar shows the battery charge level. Press the battery to view a detailed battery charge meter.

To turn battery saving mode on, press **Battery Save**: until the screen shows **Battery Save:on**.

You can also use this screen to automatically turn your phone off at a specific time.

Setting the Display Contrast

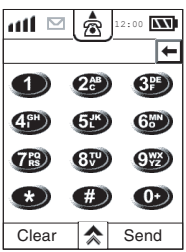
Press		To
1	Setup	
2	Display Setup	
3	+ or -	adjust the display contrast

Calling Features

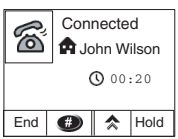
Making a Call

Press		
1	☎	
2	phone number	Press ← to erase numbers in the dial pad.
3	Send	

Dial pad



In-call screen



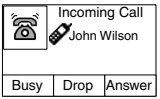
While on a call, the in-call screen is displayed. To return to the dial pad, press # (for example, to enter an extension number, leave a numeric message, or enter a PIN or voicemail password). Press ⌃ to see other things you can do while on a call.

Ending a Call

Close the flip, or press **End** in the in-call screen. If you are using a headset, press and hold the headset button (the phone beeps).

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.



Press **Answer** to answer the call, **Drop** to reject it, or **Busy** to reject it with a busy signal.

You can also answer calls by:

- Pressing the Confirm button (see page 2)
- Opening the flip (if Flip Answer is on, see page 36)
- Pressing the headset button (the phone beeps)

Muting the Microphone During a Call

During a call you can mute the microphone so the person on the other end of the call cannot hear you. Press ⌃ in the in-call screen and select **Mute**. Press **Unmute** to turn the microphone back on.

Muting the Incoming Call Ringer or Vibrate Alert

While the phone is ringing or vibrating:

Press	To
either volume key	turn off the ring or vibrating alert

Redialing a Number

Press **Redial** from the dial pad.

Redial appears only if there is no number in the dial pad. If there is a number in the dial pad, press **Clear**, then **Redial**.

If you have the automatic redial option turned on and you dial a number that does not connect, your phone automatically redials the number. When the call goes through, your phone rings or vibrates one time, displays **Redial Successful**, and connects the call. See page 36.

Tip: You can also redial a number from the recent calls list (see below).

Returning an Unanswered Call

The new notification indicator ✉ at the top of the screen flashes to indicate missed calls and new messages.

Press		To
1	✉	
2	**Missed Call(s)**	list all missed calls
3	a missed call	see details of the call
4	**Call**	return the call

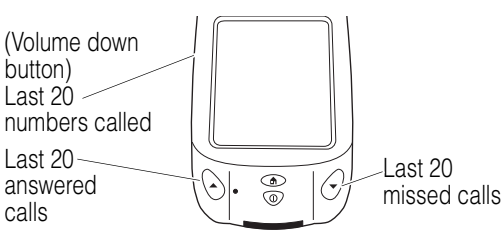
Viewing Recent Calls

Your phone keeps a list of the last 20 calls you missed, answered, and dialed. The newest calls are at the top of

the list. You can store a number in your addressbook or redial a number from the recent calls list.

Press		To
1	Recent Calls	
2	**Last 20 Missed** **or** **Last 20 Answered** **or** **Last 20 Called**	list missed calls, answered calls, or calls made
3	a call in the list	see details of the call
4	**Call** (or **Redial**) **or** ^	dial the number store the number in your addressbook or delete the call from the list

When the dial pad is displayed on the screen, you can list recent calls using the following buttons:



Inserting Pauses Into a Phone Number

Pauses are useful for calling extension numbers or going into a voice mail system. Your phone will wait until the call is connected before sending the numbers after the first pause.

To insert a pause into a phone number, press ⌃ at the position where you want to insert the pause and select **Insert Pause**. A “p” is inserted in that position in the number display panel.

For example, 5556911p9999 would call 555-6911, wait for the call to connect, then dial extension 9999.

Calling an Emergency Number

Your service provider may program one or more emergency numbers into your phone. You can call emergency numbers even if the SIM card is locked, damaged, missing, or not registered, provided that you selected Antenna On when you turned your phone on (see page 19).

To make an emergency call, press ☎ in the top status bar, enter the phone number, and press **Send**.

Note: Emergency numbers vary by country. Your phone’s preprogrammed emergency numbers may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

Calling International Numbers

If you subscribe to international calling service, you can make a call from any country without knowing the local international access code.

Simply add the international dialing prefix **+** to your number by pressing "0" for 3 to 4 seconds.

After **+** is displayed, enter the country code and phone number you want to call, then press **Send**.

Calling with Speed Dial

Each addressbook entry stored in SIM card memory is automatically assigned a unique speed dial number. The speed dial number is listed in the **Location:** field of the addressbook entry. To speed dial a number stored in SIM card memory:

Press	
1	
2	location number followed by the **#** sign

To speed dial a number that is not stored on the SIM card, add the number to the Turbo Dialing list. Up to 9 numbers can be stored in the Turbo Dialing list.

Press		To
1	Setup	
2	**Phone Setup**	
3	**Turbo Dialing**	open the Turbo Dialing list

Press		To
4	speed dial location number	select a phone number from your addressbook
	or	
	blank field to the right of the location number	enter a phone number

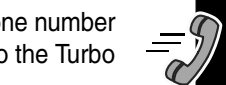
To replace a phone number in the Turbo Dialing list with another number, use ⌫ to erase the old number and enter the new number.

To clear the entire Turbo Dialing list, press ⌃ and select **Clear All**.

To call a phone number in the Turbo Dialing list:

Press	
1	☎▼
2	location number for 3 seconds

If the location number does not have a phone number assigned to it, you are prompted to add it to the Turbo Dialing list.



Using Caller ID

*C*aller ID lets you see who is calling before you answer your phone.

Incoming Calls

The phone displays the caller's name if it is stored in your addressbook, or **Incoming Call** when caller ID information is not available.

When your phone is closed, you can see the caller ID information through the external display.

Outgoing Calls

To show or hide your caller ID when making a call, press ⌃ in the dial pad and select **Show ID** or **Hide ID**.

Voicemail

You can listen to your voicemail by calling the voicemail phone number provided by your service provider.

Note: Voicemail messages are stored on the network, not on your phone.

Storing Your Voicemail Number

Press	
1	SMS
2	⌃ **Setup**
3	**Voicemail**
4	phone number of your voicemail system
5	**OK**

If you have a password, you can program it into the dialing sequence by inserting a pause between the phone number

and password. When you call your voicemail, your phone will wait for the call to connect to the voicemail system, then send your password.

Press		To
1	#*.	display the symbol pad
2	P	insert a pause
3	123	return to the dial pad

Listening to a Voicemail Message

When you miss a call or have a new message, the new notification indicator ✉ flashes in the top status bar. Press ✉ to list your missed calls and new messages.

Press **New Voice Msg** to open the dial pad with your voicemail number already filled in. Press **OK** to call the voicemail number and retrieve your messages.

Using Call Waiting

If you subscribe to call waiting service, you can put a call on hold to answer another call by pressing **Hold** in the in-call screen.

If you receive a new call when you already have a call connected and a call on hold, you have to drop one of the calls to answer the new call. The incoming call screen lets you choose which call to drop. To reject the new call with a busy signal, press **Busy**.

Putting a Call on Hold

Press **Hold** in the in-call screen. The call status changes to in the status bar at the top of the touchscreen.

Make a New Call with a Call on Hold

From the in-call screen:

Press		
1	#	
2	phone number	**Tip:** Press ↳ to return to the original call without dialing the second number.
3	**Send**	

If the new call is successful, you will have one active call and one call on hold. Each call is listed in the in-call screen. Press **Switch** to switch between calls.

Connect an Active Call to a Call on Hold

To connect the call on hold to your currently active call, press ⌃ **Transfer** from the in-call screen.

While the call is being transferred, **Transferring Call to Call on Hold** is displayed. Once the call is transferred, your call is disconnected.

Transferring a Call

From the in-call screen:

Press		
1	⌃ Transfer	
2	number to transfer to	**Tip:** Press ↳ to return to the original call without transferring.
3	Send	

Changing the Active Line

Change the active phone line to make and receive calls from your other phone number.

Note: This feature is available only if your SIM card has 2 phone lines.

Press	
1	Setup
2	Phone Setup
3	Phone: pulldown list
4	Line 1 or Line 2

Displaying Your Phone Number

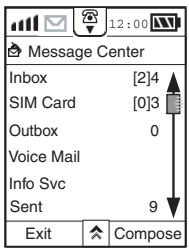
From the in-call screen: press ⌃ > My Number.

From the main menu: press ⌃ > My Number.

Messages and Email

Text Messaging

The Message Center is where your text and voicemail messages are organized.



Press SMS to open the Message Center.

Message Folders

The Message Center lists the default folders that come with your phone, plus any personal folders that you create. The number in brackets indicates new, unread messages. The number outside the brackets is the total number of messages in the folder.

Folder Name	Contains
Inbox	Incoming text messages
SIM card	Messages stored in the memory on the SIM card This is the default folder for incoming messages unless you change it in your message inbox settings.
Outbox	Messages waiting to be sent
Voice mail	List of voicemail messages

Folder Name	Contains
Info Svc	Messages sent to your phone by your service provider (weather forecasts, stock market information, etc.)
Sent	Sent messages
Quick Text	Short, predefined phrases you can insert into your text messages
Draft	Messages you have written but not sent
Trash	Deleted messages

Opening a Message Folder

Press a folder name to list the messages in the folder, then press a message title to read the message.

Setting Up Your Message Inbox

Note: Your service provider may have programmed the message inbox settings for you.

Press		To
1	Setup	
2	Messaging Setup	
3	Inbox	
4	Service Ctr Info	enter you service center settings

Press		To
5	**Service Ctr Numbr**: input field	open the numeric editor
6	service center number	
7	**OK**	store the service center number
8	**Expire After**: pulldown list	enter the time limit for message entry
9	**Outgoing Msg Type**: pulldown list	select the outgoing message type
10	**OK**	store the service center information
11	**Incoming Msg**: pulldown list	select the folder for new messages
12	**View By**: pulldown list	arrange incoming messages by date, subject, or name
13	**Remove Based On**: pulldown list	select the conditions for deleting incoming messages
14	**OK**	store the Inbox settings

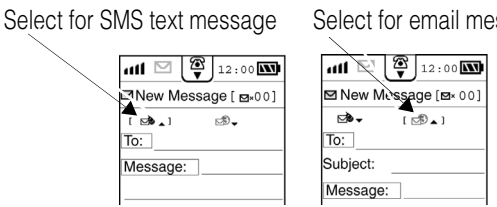
Composing a New Message

See page 30 for information on how to enter text on your phone.

Press		To
1	SMS	
2	**Compose**	open a new message screen
3		compose a message to send to a mobile phone number
	or	
		compose a message to send to an email address
		Note: Email sent as a text message may be subject to certain limitations, such as message length. Contact your service provider.
4	**Message**: label	select a quick text message
	or	
	Message: input field	enter a message

Sending a Message

Make sure the correct message type icon is selected at the top of message.



Sending a Message to a Phone Number

Select the phone number from your addressbook by pressing on the **To:** label, or enter the phone number by pressing on the **To:** input field. To send the message, press **Send**.

Sending a Message to an Email Address

Select the email address from your addressbook by pressing on the **To:** label, or enter the address by pressing on the **To:** input field. To send the message, press **Send**.

Note: Your service provider's gateway number must be programmed in your phone to send email as an SMS text message. If you are not able to send email as an SMS text message, do the following from the Message Center:

1. Press ⌃ and select **Setup**.
2. Press **SMS_Email**.
3. Enter your service provider's gateway number.
4. Press **OK**.

Sending a Message at a Scheduled Time

After composing the message, press ⌃ and select **Send Later**. You are prompted to select the time. The message is stored in the Outbox folder of the Message Center until the scheduled time, then placed in the Sent folder after it is sent.

Note: You must be within your service coverage area and have your phone turned on at the scheduled time.

Saving a Draft of a Message

To save a message without sending it, press ⌃ and select **Save to Drafts**. The message is saved in the Drafts folder of the Message Center.

To edit or send the message:

Press		To
1	Drafts folder	list your draft messages
2	message title	display the message
3	**Edit**	open the message for editing
4	**Send**	send the message

Receiving and Reading Messages

If your phone is off when someone sends you a message, the service center will send the message when you turn your phone back on.

When you receive a new message, you are notified with an alert and incoming message dialog box. Press **OK** to read the message, or **Dismiss** to store it in the Message Center Inbox for future reading.

If you dismiss the message or miss the incoming message alert, the new notification indicator ✉ flashes in the status bar. Press ✉ to list missed calls and retrieve new messages.

While reading a message, press ⌃ to open the message menu with the following options.

Select	To
Return Call	call the sender's phone number
Move to Trash	move the message to the Trash folder
Forward Message	forward the message
Compose	compose a new message
Save Address	save the sender's phone number in your addressbook
Move to Folder	move the message to a personal folder

Storing or Calling Numbers in a Message

Use the stylus to highlight a phone number in the message. You are prompted to **Dial** the number or **Store** it in the addressbook. If you store the number, you can add it to an existing entry in your addressbook or create a new entry.

Replying to a Message

While reading the message, press **Reply**. A new message opens with the sender's name in the **To:** field.

Note: Depending on your service provider, you may be able to receive email as an SMS text message. This type of message has the network port number in the **To:** field and the sender's email address as part of the message text.

Inserting Quick Text

Your phone comes with a number of Quick Text messages that you can send or insert into your own messages.

Press		To
1	**Message:**	list quick text messages
2	a quick text message	insert the quick text at the end of your message

Creating Your Own Quick Text

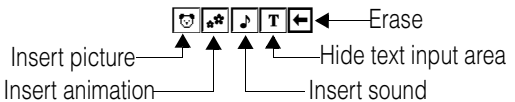
Press	
1	Quick Text folder in the Message Center
2	**New**

Resetting the Default Quick Text List

To cancel all quick text changes and remove new quick text messages you have added, select **Quick Text** from the Message Center, press ⌃ and select **Reset to Default**.

Inserting Pictures, Animations, and Sounds

While composing a message, use the following icons to insert pictures, animations, and sounds into your message. To create pictures, animations, and sounds, see page 89.



Deleting Messages

You can set your phone to automatically delete messages from your message folders. Open the folder, press ⌃, and select **Setup Folder**. Use the **Remove Based On**: pulldown list to select the delete conditions (age, number, or do not remove).

- If you choose **Age**, press the numeric field below **Delete After**: to enter the number of days to keep messages. The maximum is 999 days.
- If you choose **Number**, press the numeric field below **Keep Last**: to enter the number of messages to keep. The maximum is 999 messages.

To delete messages individually, press ⌃ while the message is open and select **Move to Trash**. Messages moved to the Trash folder remain there until you empty the Trash folder.

Emptying the Trash Folder

To delete all messages in the Trash folder, open the folder and press **Empty**. To delete a specific message in the Trash folder, select the message, press ⌃, and select **Delete Message**.

Receiving Information Service Messages

Information service messages (also known as cell broadcasts) are messages sent by your service provider. These messages can include news, weather, sports, travel, entertainment, and more.

The channels that send information service messages are numbered. Different channels send different types of messages. Contact your service provider for a list of channels and the information they provide.

Note: Information service messages are deleted when you turn your phone off.

Press		To
1	Setup	
2	**Messaging Setup**	
3	**Info Services**	
4	**Receive:on**	allow information service messages. Set **Receive:off** to prevent these messages from being sent to your phone.
5	channel frequencies for the information you want to receive	

Email

The email application on your phone can be used to send email to and receive email from email systems that offer connectivity using POP3/IMAP and SMTP standards. Many online email services use these standards.

When sending email to another A388 phone, you can attach notes from the notepad and contact information from your addressbook.

Note: Depending on your service provider, you may also be able to send email through your phone's SMS text messaging feature. See page 54.

Setting Up Email

Before you can send or receive email, information about your email account and service provider must be entered into the phone. Your service provider may have set up your email for you. If your email is not set up, enter the details of your email account and the specific information provided by your service provider into the Send Setup and Receive Setup screens.

Press		To
1	Setup	
2	Internet Setup	
3	eMail Setup	
4	a mailbox	open the Mailbox Setup screen

Press		To
5	Send Setup	configure settings for sending email
6	Receive Setup	configure settings for receiving email

You may also have to enter information about your data service connection into the phone (subscription to data service from your service provider is required to use email). If this is not already set up on your phone, enter the specific information provided by your service provider into the Connection Setup screen.

Press	
1	Setup
2	Internet Setup
3	Connection Setup

Opening Your Email Mailbox

You can access your email in two different ways:

- Online (while connected to the Internet)
  When online, you can send and receive email messages and manage all of your email.
- Offline (without connecting to the Internet)
  If you work offline, you can only manage and read existing emails stored on your phone.

When you access the email function, your phone detects whether it is connected to the Internet. You can choose to connect and work online, or work offline.

Press		To
1	eMail	
2	Now	work online
	or	
	Later	work offline

If you choose to work online and a connection is established, your default email mailbox is displayed. The list of folders in your mailbox depends on your service provider and whether you have created any personal folders, but the appearance of the mailbox screen is similar to the Message Center where text and voicemail messages are stored (see page 50).

Once connected, you can send and receive email.

Note: If you do not have a default mailbox, a list of mailboxes is displayed, and you can choose which mailbox you want to log in to.

Note: You may be asked to enter your user name and password before your mailbox is displayed, depending on your service provider and whether your user name and password are entered in the email setup.

Setting Your Email Signature

Your email signature is text, such as your name and phone number, that is added to the end of your outgoing email messages.

Press	
1	Setup
2	**Internet Setup**
3	**eMail Setup**
4	mailbox name
5	**Signature Setup**
6	**on** option
7	signature input area

See page 30 for information on how to enter text on your phone.

Note: Turning the Signature option off does not erase your signature text, but merely prevents it from being added to the end of your email messages. To erase your signature text, press ⌃ and select **Clear Signature**.

Composing a New Email

After your mailbox is displayed, press **Compose**. Fill in the **To**, **Subject**, and **Message** fields. (see page 30 for information on how to enter text on your phone).

To insert a quick text message, press directly on the **Message**: label instead of the input area next to the label.

Sending Email Attachments

You can attach a note from the notepad or contact information from your addressbook to an email message.

Press	
1	⌃ Attach Text Note **or** ⌃ Attach Contact
2	contact or note title
3	OK

Indicators at top right corner of the email identify the attachment type:

Notepad attachment

Addressbook attachment

To read the attachment, press the icon. To remove the attachment, press ⌃ and select **Remove Attachment**.

Sending Email

Press **Send** after you compose your message.

If you are connected and working online, the message is sent right away. If you are working offline, the message is placed in your email Outbox and sent the next time you log in to your mailbox using an Internet connection. Unsent emails are prefixed with >>>.

Sent email is moved to the Sent folder. If sending fails or is interrupted, ⊗ is displayed next to the message title.

Receiving and Reading Email

Press **Send and Receive**. New emails are placed in your email Inbox.

Note: You must be connected to the Internet and logged on to your email mailbox to receive new email (see page 61).

Press the Inbox to list your messages. The following status indicators are used:

- New unread message
- Message already read

To read a message, press the message title. When a message is open, press ⌃ to open a menu with the following functions:

Select	To
Forward Message	forward the email
Compose Message	open a new email

Select	To
Save Address	save the sender's email address in your addressbook
Move to Folder	move the email to a personal folder
Move to Trash	move the email to the Trash folder

Replying to an Email

While reading the message, press **Reply**. A new email opens with the sender's name in the **To**: field.

Creating Email Folders

You can create up to 5 personal folders for storing and organizing your email.

Press		To
1	New Folder	
2	Name: input field	enter the folder name
3	Routing: prompt **or**	select recipients from your addressbook
4	Routing: input field	enter email addresses
5	View By: pulldown list	arrange messages in this folder by date, subject, or name

Press		To
6	Remove Based On: pulldown list	select the conditions for deleting messages from this folder (by age, number, or do not remove)
7	OK	save the folder settings

To change the settings for an email folder after it is already created, press the folder name, press ⌃, and select **Setup Folder**.

Setting Up Your Addressbook

The addressbook stores important contact information such as names, addresses, and phone numbers. You can make calls and send messages from the addressbook.

Press Addresses to open the addressbook.

Tip: From the dial pad, press the Volume Up key.

Fields in an Addressbook Entry

Icons indicate each phone number type in an addressbook entry. For each entry, you can also store a company name and title, work and home addresses, birthday, anniversary, web page, and notes.

- Work
- Work2
- Work Fax
- Home
- Home Fax
- Mobile
- Pager
- Email address

Addressbook Categories

Categories help you organize and manage your adddressbook. For example, you can put business-related contacts into a Business category, and friends into a Personal category.

Your phone comes with the following categories.

- Unfiled
  The default category for creating new contacts.
- Owner
  This category is where you provide information about yourself. Press Ⓜ in the status bar to view your owner information.
- SIM Card
  Stores the entry in memory on the SIM card. Most SIM cards allow you to store only one number per name. Contacts stored on the SIM card are identified by ▣ in your addressbook.

Note: Contact information stored in SIM card memory is retained if you use your SIM card in another GSM phone. All other categories, including those you create, are stored in phone memory.

To quickly find an entry in your addressbook, select the category where it is stored. The category All Contacts lists all of the entries in your addressbook.

Creating an Addressbook Entry

Press		To
1	Addresses	open the addressbook
2	New	create a new entry
3	Category: pulldown list	select a category
4	Name: input field	enter the contact name
5	phone number type or other input field	open the dial pad or text entry tool
6	OK	save the contact

Inserting a Pause in a Phone Number

Pauses are useful for dialing an extension number, going into voice mail, or entering a password after a call is connected. At the first pause in the number, the phone waits until the call is answered, then waits 3 seconds before transmitting the next digits.

At the position where you want to insert a pause:

Press		To
1	# *.	change to the symbol keypad
2	P	insert a pause
3	123	return to the dial pad

Storing a Number After a Call

Within 5 seconds after ending a call:

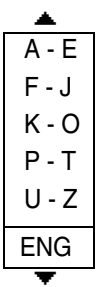
Press		To
1	Store	store the last dialed number
2	Add to Contact or Create Contact	add the number to an existing contact in your addressbook create a new contact record
3	phone number type	store the number
4	OK	save the contact

Locating Entries in Your Addressbook

You can find an entry in your addressbook using either the alphabetic tabs on the right side of the screen or the Find Contact feature.

Using the Alphabetic Tabs

The alphabetic tabs allow you to quickly go to the first entry for a particular letter. For example, to find *Kate*, press the K-O tab once to take you to the K's. To find *Matt*, press the K tab 3 times. Use ▲ and ▼ to scroll through the entries.



Using the Find Contact Feature

The Find Contacts feature lets you search your addressbook by name, number, or any text string.

Press		To
1	^ Find Contact	
2	name, number, or text	search for a name, number, or text string
3	name, number, or text string to search for	
4	OK	start the search

The screen will show the search results, or **No Match Found**. If any matches are found, press a match to open the addressbook record.

Calling a Number from Your Addressbook

Press	
1	contact name
2	number to dial
3	Send

To dial a number immediately without having to press **Send**, turn the Prepend option on:

Press	
1	Setup
2	Phone Setup

Press	
3	Prepend:on
4	Done

Sending a Message from Your Addressbook

Press		To
1	contact name	
2	mobile number **or** email address	open a new text message with the contact's phone number in the To: field open a new email with the contact's email address in the To: field
3	message area	enter your message
4	Send	

Copying Addressbook Entries

You can copy a number in your addressbook between SIM card memory and phone memory.

Press	
1	contact name
2	⌃⌃ Copy to SIM or ⌃⌃ Copy to Phone
3	phone number to copy
4	OK

Deleting Addressbook Entries

Press	
1	contact name
2	⌃⌃ Delete Contact
3	OK

To delete more than one contact:

Press	
1	category containing contacts you want to delete
2	⌃⌃ Delete Contacts
3	contacts to be deleted
4	OK

Note: To stop the delete while it is in progress, press Cancel.

Sending Addressbook Information

You can send a phone number in your addressbook as a text or email message. If the recipient is using an A388 phone, the number is saved in their addressbook. If the recipient is using another type of GSM phone, they will receive the contact information as a text message.

Press		To
1	contact name	
2	^^ Send Text **or**	send the number in an SMS text message
	^^ Send Email	send the number in an email
3	phone number type	select the number to send
4	OK	insert the number into the message (displays as an addressbook icon)
5	To:	select message recipients
6	Send	send the message

Unable To Send Information Exceeding Length Limitation is displayed if the contact information exceeds 160 characters.

Receiving Addressbook Information

When you receive a message containing contact information, your phone rings and/or vibrates and displays an incoming message dialog box. Press **Read** to read the message now, or **Dismiss** to store it in the Inbox folder.

When you read the message, it opens as a new addressbook entry. Fill out any remaining fields and press **Store** to save the entry in your addressbook.

Synchronizing with TrueSync Software

You can synchronize addressbook entries between your phone and computer or hand-held device with Starfish TrueSync® software, a Motorola accessory product. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Getting More Out of Your Phone

Making a Conference Call

With conference calling, you can have a conference with up to 5 other people. At any time during the call, you can add, disconnect, or separate individuals from the conference call.

Note: You must subscribe to both Conference Calling and Call Waiting in order to make conference calls from your phone.

Starting a Conference Call

Do This	
1	Dial the first party's number
2	Press **Hold**
3	Dial the next party's number
4	Press ⌃ and select **Link Call** to connect the calls

An icon in the in-call screen shows the number of parties in the conference call. For example, indicates 6 connected calls (5 plus yourself).

Adding a New Call to the Conference Call

You can add new calls to the conference call by using the dial pad to call a number or by answering a call waiting. With either method, the conference call is put on hold while the new call is connected.

After the new call is connected, press ⌃ and select **Link Call** to connect the new call with the conference call.

Separating a Member From a Conference Call

This allows you to have a private conversation with one of the people on the conference call. The rest of the parties on the call are put on hold.

Note: You cannot separate a member from the conference call if you already have any calls on hold.

Press	
1	⌃ **Split**
2	phone number or name of the call to be separated
3	**OK**

To rejoin all parties to the conference call, press ⌃ and select **Link Call**.

Ending a Conference Call

Press **End**.

Forwarding Calls

Network / Subscription Dependent Feature

You can forward your phone's voice, fax, and/or data calls directly to another phone number.

For voice call forwarding, you can select specific conditions under which calls will be forwarded, for example, if your phone is busy or if you do not answer. You can also set a starting and ending time for forwarding calls.

Set Up or Cancel Call Forwarding

Press		To
1	Setup	
2	Phone Setup	
3	Call Forward	
4	Forward Schedule	forward calls starting and ending at a specified time
5	Voice Calls	forward voice calls
6	Fax Calls	forward fax calls
7	CSD Calls	forward data calls
8	Cancel All Forward	cancel all call forwarding

For each option, press ☎ to select the forwarding phone number from your addressbook, or press the space to the right of ☎ to enter a phone number.

Blocking Calls

Call blocking lets you restrict incoming and/or outgoing calls. You can block all calls, calls to international numbers, or calls while roaming.

Press	
1	Setup
2	Security
3	Call Block

Using Fixed Dialing

When you turn on fixed dialing, you can only call numbers stored in the fixed dial list. Use this feature to limit outgoing calls to a predefined list of numbers, country codes, area codes, or other prefixes.

Press		To
1	Setup	
2	Security	
3	Fixed Dialing	
4	your SIM PIN2 code	
5	Enter	
6	**on** or **off**	turn fixed dialing on or off

Setting Up the Fixed Dial List

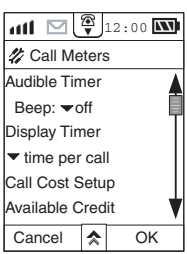
Press		To
1	^^ New Contact	add a number to the fixed dial list
2	^^ Delete Contact	delete a number from the fixed dial list
3	entry name	view or modify the name or number of a fixed dial entry

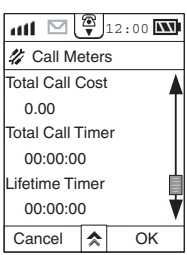
Monitoring Phone Use

Your phone has an internal metering system that keeps track of call times and costs.

Call cost information is available only if you receive the advice of charge service.

Press
1 Setup
2 Phone Setup
3 Call Meters





View and Reset Call Timers

The **Total Call Timer** shows the amount of time you spent on all calls since the last reset. To reset this timer, press ⌃ and select **Reset Call Timer**.

The **Lifetime Timer** shows the total time of all calls made on your phone. You cannot reset this timer.

Use Timers During a Call

You can set a timer to beep at selected intervals during a call, and display different types of information during a call.

Use the **Beep**: pulldown list to set the audible timer.

Use the **Display Timer** pulldown list to display call duration, cost per call, or total call cost information on your phone during a call.

View Call Cost Information

The **Total Call Cost** shows the total cost of all your chargeable calls since the last reset.

The **Call Cost Setup** feature allows you to reset the **Total Call Cost** and to set up call cost information.

Press		To
1	Charge Limit	specify a charge limit
2	Charge Type	display charge information as phone time units or currency
3	Reset Call Costs	reset the Total Call Cost timer

View Credit Information

Press **Available Credit** to view the amount of credit available.

You will receive two warning messages when you are approaching your credit limit, and another message when you reach the limit.

Note: No Charge Limit Set is displayed if you do not have a prepaid credit limit.

Adjusting Network Settings

Your service provider registers your phone with a network. You can view information about the current network, change how your phone searches for a network, list networks operating at your current location, and specify your preferred networks.

Press	
1	Setup
2	Phone Setup
3	Network Setup

Change Your Phone's Operating Band

The country where you purchased your phone determines which operating bands are available. You must change to the appropriate band if you travel abroad.

Press	
1	Setup
2	**Phone Setup**
3	**Network Setup**
4	**Search Setup**
5	**Band**: pulldown list

Change the Network Search Speed

The network search speed determines how long your phone waits before attempting to re-register with a network after a previous registration attempt fails. To conserve battery power, set the network search speed to slow.

Press	
1	Setup
2	**Phone Setup**
3	**Network Setup**
4	**Search Setup**
5	**Speed**: pulldown list

Personalizing Your Phone

Personalizing a Ring Style

To change the ring style for incoming calls:

Press		To
1	Setup	
2	Sounds & Alerts	
3	Line 1 Ring Tone	change the ring style for line 1
	or	
	Line 2 Ring Tone	change the ring style for line 2
4	ring style	
5	+ or -	adjust the ring volume

You can also change the alerts that notify you of missed events, incoming text and information service messages, and datebook alarms.

Press	
1	Setup
2	Sounds & Alerts
3	Notifications
4	alert for each type of notification

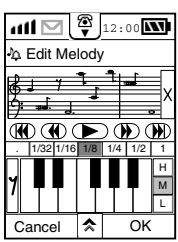
Creating Custom Ring Tones

You can create and store custom ring tones on your phone. The tones appear in the list of available ring styles and event notifications.

Press		To
1	Composer	open the ring tone composer
2	**New**	create a new ring tone
3	notes	compose the tone (see "Entering Notes" below)
4	**OK**	save the ring tone
5	**Title**: input field	enter the ring tone name
6	**OK**	store the ring tone
7	▶	play the ring tone
8	⌃⌃	send or delete the ring tone

Entering Notes

The ring tone composer has the following features to assist you with composing a ring tone.



- Keyboard to enter notes and rests into the stave (maximum of 70 musical notes per composition).

  Press ⌃⌃ and select **View Labels** to label the keyboard notes.

- Interval control buttons to determine where a note falls. Press H, M, or L to select high, medium, or low octave. Notes in the low octave appear on a separate stave.
- Note length buttons that you can assign on a note-by-note basis. Press the length before you enter the note.
- A delete button (**x**) that deletes the last note on the stave (short press) or all notes in the tone (press and hold for several seconds).
- Buttons similar to those on a tape player for navigating through the composition:

  Press ⏮ to move the cursor to the beginning of the ring tone.

  Press ⏭ to move the cursor to the end of the ring tone.

  Press ⏪ to play the previous note.

  Press ⏩ to play the next note.

  Press ▶ to play the ring tone.

  You can also move the cursor to any point in the composition by pressing directly on the musical notes staff.
- A Change Tempo option to adjust the tempo to slow, normal, fast, or faster (press ⌃ and select **Change Tempo**).
- A Clear All Notes option to clear all of the notes in the ring tone at one time (press ⌃ and select **Clear All Notes**).

Playing a Ring Tone

To play a ring tone while you are composing it, press ⊙ in the ring tone composer.

To scroll through and play your list of custom ring tones:

Press		To
1	Composer	list your custom ring tones
2	ring tone name	open the ring tone
3	▶	play the ring tone
4	>> or <<	select the next or previous ring tone

Editing a Ring Tone

You cannot edit the predefined ring tones included with your phone. To edit a custom ring tone:

Press		To
1	Composer	list your custom ring tones
2	ring tone name	open the ring tone
3	anywhere on the keyboard	edit the ring tone

Deleting a Ring Tone

You cannot delete the predefined ring tones included with your phone. To delete a custom ring tone:

Press		To
1	Composer	list your custom ring tones
2	^ Delete All **or** ring tone name ^ Delete Melody	delete all custom ring tones delete the ring tone

Creating Pictures, Animations, and Sounds

Your phone comes with pictures, animations, and sounds that you can insert into messages. You can also create your own pictures, animations, and sounds.

Press		To
1	EMS Editor	open the EMS Editor
2	pulldown list at top of screen	select the Picture Editor, Animation Editor, or Melody Editor
3	picture, animation, or melody title **or** New	open the picture, animation, or melody create a picture, animation, or melody

Picture Editor

Select the grid size (16x16, 32x32, or 96x64) before you start to create your picture. To select the drawing tool, press [•]. Using the stylus, press the editing area (grid) to create your picture.

To erase, press ⌃, select **Switch to Eraser**, and press one or more points on the grid. The drawing tool select button changes to (an eraser). Press ⌃ and select **Switch to Pencil** to go back to drawing mode.

You can also use the ⌃ menu to undo or redo your last stroke, erase all points in the picture, invert the picture, and delete the picture.

Animation Editor

Select the grid size before you start creating the animation. Using the stylus, press the editing area (grid) to create your animation.

Each frame is represented by □ on the left side of the screen. Press □ to display or edit the frame in the editing area.

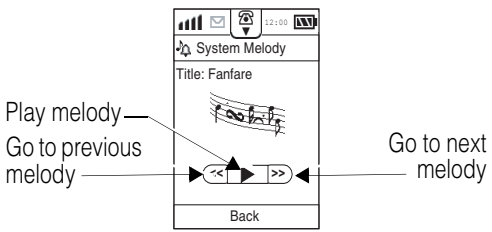
- To cut or copy and paste a frame, press [copy] (copy) or [cut] (cut), go to the destination frame, and paste [paste].
- To play the animation, press ▶. Press ● to stop playing the animation.

Melody Editor

When you first open the Melody Editor, a list of melody titles is displayed. Press **New** to create a melody, or press a title to play or edit the melody.

The composition tools for creating a melody are the same as those used to create a ring tone (see page 86). When you are finished composing, press **OK** to save the melody and enter the melody name in the **Title** field.

To play a melody, press the melody title and then use the following controls.



Creating Personal Message Folders

Your phone comes with a default set of folders for storing text and voicemail messages. You can also create personal folders for organizing your messages.

Note: Text messages and a list of your voicemail messages are stored in the Message Center.

Press	To
1 SMS	
2 New Folder	create a new folder

Press		To
3	**Name**: input field	enter the folder name
4	**Remove Based On**: pulldown list	specify conditions for deleting messages from the folder. To keep messages in the folder indefinitely, select **Do Not Remove**.
5	**OK**	store the folder

To edit the name or properties of a personal folder, press ⌃ and select **Edit Folder** from the Message Center or from your email mailbox.

To delete a personal folder, press ⌃ and select **Delete Folder** from the Message Center or from your email mailbox.

Creating Message Mailing Groups

Mailing groups allow you to send a message to a group of people without selecting each person individually. For example, a group could contain members of a club or coworkers working on the same project. You can put up to 10 contacts in one group.

Press		To
1	Addresses	open your addressbook
2	⌃ **New Group**	create a new group

Press		To
3	**Catg**: pulldown list	select a category for the group **Tip:** Only contacts in the selected category can be added to the group. To pick from your entire addressbook, create the group under the All Contacts category.
4	**Name**: input field	enter a name for the group
5	**Recipients**: input field	select the group members
6	**OK**	save the group

Groups are preceded by ⁘ in your addressbook. To send a message to a group, select the group name as the recipient in the message **To**: field.

Creating Categories for Addressbook Entries

You can customize your addressbook by organizing your contacts into categories. Your phone comes with some predefined categories (see page 69).

Press	
1	Addresses
2	New Category

Note: Category names cannot exceed 20 characters.

Setting the Menu Language

You can set the language in which menu features and options are displayed.

Press	
1	Setup
2	Initial Setup
3	Language

Resetting All Options

The Master Rest function resets all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer.

Press	
1	Setup
2	Initial Setup
3	Master Reset

Clearing All Stored Information

The Master Clear function:

- Resets all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer
- Erases all user-downloaded content
- Clears all user settings and entries, including addressbook and datebook entries, *except* for information stored on the SIM card

Caution: Once you do a Master Clear, the erased information cannot be recovered. Master Clear does not delete any information stored on the SIM card.

Press	
1	Setup
2	Initial Setup
3	Master Clear

Security

Locking the SIM Card

Your PIN (Personal Identification Number) code protects the information stored on your SIM card. When the SIM card is locked, you must enter your PIN code to unlock the SIM card each time you turn on the phone or insert the SIM card in the phone.

Press	
1	Setup
2	Security
3	SIM Request:on
4	your SIM PIN code
5	Send

To turn the SIM card PIN feature off, use the above procedure and set **SIM Request:off**.

Unblock the SIM Card PIN Code

If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your phone displays **SIM Blocked**. You must enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.

Caution: If the unblocking attempt is tried unsuccessfully 10 times, the SIM card is permanently disabled and your phone displays **SIM Disabled**.

Press	
1	☎▼
2	**05*
3	Send
4	PUK code from your service provider
5	Enter
6	new SIM PIN code
7	Enter

You will be prompted to enter your new PIN code again for confirmation. Once the new code is confirmed, the SIM card is unblocked.

Unblock the SIM Card PIN2 Code

Some features on your phone are protected by a PIN2 code. If you enter an incorrect PIN2 code three times in a row, your phone's PIN2 protected features are disabled and your phone displays **SIM Blocked** when you try to use a PIN2 feature. You must enter a PIN2 unblocking key (PUK2) code, which you can obtain from your service provider.

Press	
1	☎▼
2	**052*
3	Send
4	PUK2 code from your service provider

Press	
5	Enter
6	new SIM PIN2 code
7	Enter

You will be prompted to enter your new SIM PIN2 code again for confirmation. Once the new code is confirmed, the SIM PIN2 protected features are unblocked.

Locking and Unlocking Your Phone

When your phone is locked, you must enter an unlock code to use the phone.

Press		To
1	Setup	
2	Security	
3	Lock Phone Now	lock your phone immediately
	or	
	Auto Lock:on	set your phone to lock every time you turn it off
4	your unlock code	

To unlock the phone, enter the unlock code.

Note: The unlock code is initially set to 1234 at the factory, although your service provider may have reset this code.

Changing Your Codes

Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000 at the factory. Your service provider may reset these codes before you receive your phone.

If your service provider has *not* reset these codes, we recommend that you change them to prevent other people from accessing your personal information or modifying your phone's settings.

You can also reset your PIN code, PIN2 code, and call blocking code.

Press	
1	Setup
2	**Security**
3	**Passwords**
4	type of code you want to change

When you change a code, you are prompted to enter the old code, the new code, and the new code a second time for confirmation.

Personal Organizer Features

Datebook

The datebook is a calendar that lets you schedule and organize events such as appointments and meetings. You can set the datebook to send reminder alerts for events.

Note: You must set the correct date and time on your phone to use the datebook.

To schedule or review events in the datebook:

Press
Date Book

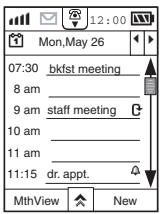
Month View

The datebook initially displays a calendar for the month. The current day is highlighted.

Press	To
◀	view the previous month
▶	view the next month
Jump To	view the month for a specific date
View Today	view today's events

Press	To
Day View	view the currently highlighted day
any day in the month	view that day's calendar

Day View



Press ◀ or ▶ to go to the previous or next day, or press ⌃ and select **Jump To** to go to a specific day.

Symbols to the right of the event indicate the following information:

- Recurring event
- Alarm set for this event
- ● Event with no starting or ending time

Press **MthView** to return to the month view.

Note: You can only exit the datebook from the month view.

Change the Datebook Setup

You can change the datebook's daily starting time and set the length of time that events are stored.

From the day view:

Press	
1	⌃ **Setup**
2	new starting time
3	number of days after which new events will be deleted, or **Never Remove**

Create a Datebook Event

From the day view:

Press		To
1	**New**	
2	event time	
3	**Title**: input field	enter the event title, location, and notes
	Location: input field	**Tip:** Press directly on the label to select from a list of existing event titles, locations, and notes.
	Notes: input field	
4	**Date**:	change the date of the event

Press		To
5	start time and end time **or** **no time**	set the starting and ending times for the event create an untimed event
6	**Reminder** **Alarm**: pulldown list	set an alarm for the event
7	**Repeat**: pulldown list	repeat the event (for example, every Friday at 3 PM for 6 weeks)
8	**OK**	save the event

Note: To create a new event from the month view, press ^ **New Event** and follow steps 3 - 8 above.

To edit an event, open the day view and press the event title. Modify the event information the same as if creating a new event.

Delete an Event

From the day view:

Press	
1	event title
2	^ **Delete Event**

Note: You can set up the datebook to automatically delete events. See page 102.

Respond to a Datebook Alarm

When you set a reminder alarm for an event in the datebook, the phone displays an event reminder message and sounds an alert. Press **Dismiss** to close the reminder message, or **Mute** to mute the alert. To set the sound your phone makes for datebook events alerts, see page 85.

Send an Event

Press		To
1	event title	
2	⌃ **Send Text**	
3	**To**: input field	enter the phone number
	or	
	To: prompt	select the phone number from your addressbook
4	**Send**	send the event

Alarm Clock

Your phone has an alarm clock with 2 alarms that you can set.

Press		To
1	Alarm Clock	
2	**Alarm A** or **Alarm B**	set the alarm time
3	**Status: on**	turn the alarm on

Press		To
4	**Alert** pulldown list	select the alert for the alarm
5	**Snooze**: pulldown list	set the snooze time
6	**Exit**	save the alarm settings

When the alarm goes off, the alert sounds until you press **Dismiss** or **Snooze**. For **Snooze**, the alarm will ring again after the amount of time you selected for the snooze time.

Notepad

The notepad stores notes and other useful information such as meeting minutes, grocery lists, and itineraries.

Notes are numbered sequentially, with the newest notes at the top of the note list.

Create a Note

Press		To
1	Note Pad	
2	**New**	
3	**Title**: input field	enter the note title
4	**Text**: input field	enter the note text
5	**OK**	save the note

To edit a note, open the notepad and press the note title. Modify the information the same as if creating a new note.

Delete a Note

Press	
1	note title
2	^^ **Delete Note**

Delete All Notes

Press	
1	Note Pad
2	^^ **Delete All**

Send a Note

Press		To
1	note title	open the note
2	^^ **Send Email** **or** ^^ **Send Text**	send the note to an email address send the note in an SMS text message
3	**To**: input field **or** **To**: prompt	enter the email address or phone number select the email address or phone number from your addressbook
4	**Send**	send the note

Voice Notes

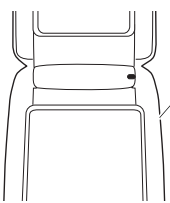
You can use the voice notes feature to record personal messages and phone calls on your phone.

Record a Voice Note

Make your recording in a quiet location. Speak directly into the phone in a normal tone of voice.

Press		To
1	Voice Notes	
2	New	
3	Title: input field	enter a title for the voice note
4	Record or ●	start recording
5	Stop Recording	stop recording

Record a Phone Call



Press the button on the side of the phone during a call to start or stop recording the call

The phone beeps while recording is in progress to notify the other person that the call is being recorded.

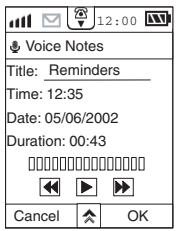
Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.

The date and starting time of the recording are used as the title for storing the voice note. You can change the title (see below).

Play a Voice Note

Press Voice Notes to list your voice notes, then press the title of the voice note you want to play. The newest voice notes are at the top of the list.

Press ▶ to play the voice note, ■ to stop playback, ▶▶ to go to the next voice note, or ◀◀ to go to the previous voice note.



Change the Title of a Voice Note

Press the **Title**: input field, place the cursor at the end of the title, press C to erase, and enter the new title.

Delete a Voice Note

Press	
1	voice note title
2	⌃ **Erase Voice Note**

Delete All Voice Notes

Press	
1	
2	⌃⌃ Erase All

View Remaining Recording Time

Your phone can store a total of 2 minutes and 30 seconds of voice recordings, or 30 voice notes (whichever comes first). To find out how much recording time is left on your phone:

Press	
1	
2	⌃⌃ Remaining Time

Tasks

The tasks feature is used to maintain to-do lists. You can assign a priority to a task and keep track of completed tasks by changing their priority to Done.

Create a Task

Press	To
1	
2	New

Press		To
3	**Priority**: pulldown list	set the task priority
4	**Subject**: input field	enter the task description
5	**OK**	save the task

View Tasks

Press Tasks to see your task list.

Tasks are listed by priority, and within the same priority, by the date and time you created the task. Icons to the left of the task title indicate the task priority:

Urgent - Flag
Normal - Empty box
Low - Dotted outline box
Done - Checked box

Remove Completed Tasks

Press	
1	Tasks
2	**Clean Up**
3	**OK**

Delete a Task

Press
1 Tasks
2 the task
3 ⌃ Delete

Delete All Tasks

Press
1 Tasks
2 ⌃ Delete All

Calculator

Your phone has a calculator that is easy to use. Just press Calculator in the main menu to open the calculator, then use the stylus to select the numbers and functions. Use ⌫ to erase numbers in the display panel when needed.

Synchronizing with TrueSync Software

You can synchronize your addressbook, datebook, notepad, and tasks between your phone and computer or hand-held device with Starfish TrueSync® software, a Motorola

accessory product. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Printing Information Using Infrared

You can use the infrared port on your phone to print addressbook information and notepad notes.

Note: The printer must have the appropriate infrared equipment installed. Not all computer systems support infrared capability.

Do This	
1	Go to the information you want to print, for example, an addressbook entry or note.
2	Press ⌃ **Print Contact** to print an addressbook entry **or** ⌃ **Print Note** to print a note
3	Select the printer type
4	Adjust the angle and distance between the phone and printer so the infrared ports are located close together

If the transmission is successful, the information will start printing. If a connection between the phone and printer cannot be established, an error message is displayed.

News and Entertainment

Mobile Internet

Your phone's WAP (Wireless Application) browser lets you access Web-based applications on your phone. Contact your service provider to set up access, if necessary.

Using the WAP browser is very similar to the way you would use a browser on your computer. The WAP browser allows you to:

- Connect to the Internet
- Interact with Web pages specifically designed for wireless devices

Note: Your phone may use a high-speed GPRS (General Packet Radio Service) network connection. This type of connection is identified by **GPRS** above the antenna status indicator in the top left corner of the status bar. The type of network connection your phone uses depends on your service provider's network. Your network connection charges may vary depending on the type of connection used.

Starting a Mobile Internet Session

To connect to the WAP service, press Browser in the main menu.

If the connection is successful, a browser startup screen is displayed.

Note: If you open the browser after disconnecting from the Internet, the phone recognizes there is no connection and starts the connection procedure automatically.

Interacting with Web Pages

To access the browser menu, press ⌃ and select **Browser Menu**. The browser menu provides access to common functions such as Go to Site, Back, Home, Reload, etc.

Note: Your service provider determines the content and format of your home page.

Disconnecting from the Internet

Press ⌃ and select **Exit Browser**. You cannot make calls or send messages until the disconnection process is complete.

When using a GPRS connection, you can still access the phone's main menu while remaining connected to the Internet by pressing the Home button (located just below the power button on the front of the phone). Because GPRS charges are made by units of data, there is no extra cost if you stay connected without transferring any data.

Downloading Java Applications

You can install and run Java 2 Micro Edition (J2ME) applications on your phone. These applications include games you can play on your phone and services that add new features and functionality to your phone.

Applications can be downloaded over the air (OTA) from your service provider, from a computer using a data cable, or from a computer using infrared transmission.

To download over the air from your service provider, you must first install TrueSync software on your computer, then use the download feature in the TrueSync software to download the applications to your phone.

Download Over the Air (OTA)

To download applications over the air, you may require an appropriate service from your service provider. You may also need to enter information about the OTA server into your phone, if it has not already been set up by your provider. Contact your service provider for more details.

Once your phone is set up for OTA downloads:

Press	
1	
2	**Download**
3	**OTA (Wireless)**
4	OTA server name
5	connection profile (if prompted)

Once a connection to your service provider's network is established, a list of the applications you can download is displayed. Press a title to download and display the application's ADF document. The ADF describes the content, version, and size of the application.

If the ADF is unreadable, **Description unreadable, Continue Download?** is displayed. An unreadable ADF does not affect your ability to download and run the application.

Press **Download** to download the application, or **Cancel** to pick another application.

Download Using a Data Cable

Do This	
1	Connect the phone to the computer using the data cable
2	Press
3	Press **Download**
4	Press **Data Cable**
5	Start the TrueSync application on the computer

On the computer:

1 From the menu bar, select Client > Motorola A388 Phone Options.

2 In the Options pop-up window, select the J2ME Loading tab.

3 Select the application you want to download.

4 Press Download.

A message box on the phone informs you of the download status as it is progressing. If the download completes, **Installation Successful, Download Another?** is displayed. Press **OK** to download another application, or **Done** to return to the J2ME menu.

Download Using Infrared Transmission

Press	
1	
2	**Download**
3	**Infrared Link**

Adjust the angle and distance between the phone and computer so the infrared ports are located close together, and the download process will start.

Working in the J2ME Main Menu

You can install J2ME applications in the main J2ME folder, or you can create folders for storing and organizing applications.

The J2ME main menu lists application titles and folder names. Press ⌃ to list options for setting up J2ME folders and moving and deleting applications.

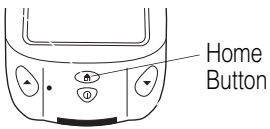
Tip: Press ⌃ and select **Memory Usage** to check an application's size and how much memory is left for downloading applications, or select **About** to display an introduction to J2ME.

Running J2ME Applications

If the application you want to run is not listed in the J2ME main menu, press the folder name (for example, **card games**), then press the application title to start the application.

Note: Some applications may contain their own instructions for you to follow.

When running J2ME applications, the entire area of the touchscreen except the top status bar is used by the application. To stop the application, press the Home button on your phone (or the Exit button in the application, if available).



Using Your Phone as a Wireless Modem

Optional Accessory

Your phone has an integrated modem that can be used to connect your personal computer to the Internet. Connection between the phone and computer can be made using a data cable or through infrared transmission. Once you connect the phone and computer, you can use the modem in the phone to connect to the Internet from the computer.

Note: Use of infrared depends on the hardware and software configuration of your computer. In addition, you must install the GPRS Manager software on your

computer. For more information on installing and using the GPRS Manager, refer to the document contained with the CD.

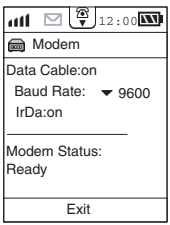
Your phone supports Internet connections using CSD and GPRS. Your dial-in number and settings depend on which connection method you are using. For more information, contact your Internet service provider.

Use the following procedure for data transmission via a data cable or infrared.

1 Press Modem. Your phone checks to see if a data cable is connected.

2 Use the pulldown list to select the baud rate.

3 Press **Data Cable:on** to use the data cable for data transmission.



If an error occurs during transmission, **Data Cable Disconnected** is displayed.

To use your phone's infrared port for data transmission, press the IrDA status in the Modem screen. If an IR link is established, the IR Link status will change from **off** to **on**.

Once a connection has been established, either through a data cable or infrared, you can treat your phone like an ordinary modem for the purpose of connecting your computer to the Internet.

Transferring Data Using the Infrared Port

You can use the infrared port on your phone to transfer notes, addressbook entries, and other information to another A388 phone or devices that have infrared capability.

To send information to and receive information from another A388 phone:

Do This	
1	On the sending phone, go to the information you want to send, for example, open the addressbook or notepad entry.
2	Press ⌃ **Beam Contact** or ⌃ **Beam Note** **Shortcut:** Press ↗ to the right of the contact or note title.
3	Press **Infrared Link**
4	On the receiving A388, press IrDA.
5	Adjust the angle and distance between the two phones so the infrared ports are located close together.

If the transfer is successful, the information is displayed on the receiving phone, where it can be edited and saved. If a connection cannot be established between the phones, an error message is displayed.

Specific Absorption Rate (SAR) Data

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) for the U.S. government and by Health Canada for Canada. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by Health Canada is 1.6W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 0.737W/kg and when worn on the body, as described in this user guide, is 0.58W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements.) While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure.[2]

The FCC and Industry Canada have granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as being in compliance with the FCC and Health Canada RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID IHDT6BK1. You may also refer to Motorola's website: www.motorola.com/rfhealth.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) website at http://phonefacts.net or the Canadian Wireless Telecommunications Association (CWTA) website, http://www.cwta.ca.

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1 In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg)

averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements..

2 The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

Additional Health and Safety Information (FDA)

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is known--and what remains unknown--about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radiofrequency energy (i.e., radiofrequency radiation) in the microwave range while being used. They also emit very low levels of radiofrequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence *does not* demonstrate

any adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones are of concern because of the short distance between the phone's antenna--the primary source of the RF--and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called "cordless phones," which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies

apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies that showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously--up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually *decreased* with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.(1)

Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus, follow-up research is necessary.(2)

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone

signals. This was the only change noted among more than 20 variables compared.(3)

In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.(4)

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk

of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

What is FDA's role concerning the safety of mobile phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- support needed research into possible biological effects of RF of the type emitted by mobile phones;
- design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

- cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.
- At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:
- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Health and Safety Administration
- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to:

- a mobile phone in which the antenna is located outside the vehicle,
- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package, or
- a headset with a remote antenna to a mobile phone carried at the waist.

Again, the scientific data *do not* demonstrate that mobile phones are harmful. But if people are concerned about the radiofrequency energy from these products, taking the simple precautions outlined above can reduce any possible risk.

Where can I find additional information?

For additional information, see the following websites:

Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): http://www.fcc.gov/oet/rfsafety

World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): http://www.who.int/emf

United Kingdom, National Radiological Protection Board: http://www.nrpb.org.uk

Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com

U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health:
http://www.fda.gov/cdrh/consumer/

1 Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium;1999 June 20; Long Beach, California.

2 Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, D.C.; and personal communication, unpublished results.

3 Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915-MHz simulated mobile phone signal on cognitive function in man. Int. J. Radiat. Biol., April 8, 1999.

4 Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors: a case-control study. Int. J. Oncol., 15: 113-116, 1999

Warranty

MOTOROLA LIMITED WARRANTY FOR PERSONAL COMMUNICATION PRODUCTS, ACCESSORIES AND SOFTWARE PURCHASED IN THE UNITED STATES OR CANADA

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its wireless telephones, pagers and consumer two-way radios that operate via Family Radio Service or General Mobile Radio Service (“Products”), Motorola-branded or certified accessories sold for use with these Products (“Accessories”) and Motorola software contained on CD-Roms or other tangible media and sold for use with these Products (“Software”) to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	**One (1) year** from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	**Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	**Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.
Consumer Two-Way Radio Accessories	**Ninety (90) days** from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced	**The balance of the original warranty or for ninety (90) days** from the date returned to the consumer, whichever is longer.

EXCLUSIONS

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded form coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products, Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	**Ninety (90) days** from the date of purchase

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information?

To obtain service or information, please call:

In the USA:	**In Canada:**
Phones 1-800-331-6456	**All Products** 1-800-461-4575
Pagers 1-800-548-9954	
Two-Way Radios 1-800-353-2729	**TTY** 1-888-390-6456
TTY 1-888-390-6456	
For **Accessories and Software**, please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

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Product Registration

Online Product Registration:
http://www.motorola.com/warranty

Product registration is an important step toward enjoying your new Motorola phone. Registering helps us facilitate warranty service, and permits us to contact you should your phone require an update or other service. Registration is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola phone, you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the

copyrights, patents, or patent applications of Motorola or any third party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

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U.S. patent Re. 34,976

Wireless Phone Safety Tips

"Safety is your most important call!"

Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

1 **Get to know your Motorola wireless phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.

2 **When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.

3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.

6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.

8 **Use your wireless phone to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident or medical emergencies.*

9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*

10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.

For more information, please call 1-888-901-SAFE or visit the CTIA Web site at www.wow-com.com™

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